

LISTING OF THE CLAIMS

The following is a listing of the claims, included for the convenience of the Examiner. Applicant has not made any amendments herein.

1. (Previously Presented) An infusion set comprising:

a generally round base having upper and lower sides, an outer edge, a base cannula extending downwardly from the lower side, a retaining rim disposed at the outer edge, and a port extending upwardly from the upper side, the port being in fluid communication with the base cannula, and the port comprising a septum of a different material from the port, positioned above the retaining rim, and adapted to seal said port from fluid communication therethrough;

an adhesive layer mounted to the lower side of the base;

an introducer cap adapted to be pressed against and cover substantially all of the upper side of the base and to be removably coupled to the base at the outer radial periphery of the retaining rim, the introducer cap comprising upper and lower sides, and a needle extending downwardly from the lower side, the needle being adapted to extend through the septum on the upper side of the base and through the base cannula on the lower side of the base, whereby the attached base and introducer cap are adapted to be pressed against a patient's skin such that the introducer needle pierces the skin and the adhesive layer on the lower side of the base contacts the skin; and

an infusion cap comprising an upper side and a lower side, the infusion cap being adapted to be pressed against and generally cover the upper side of the base and to be removably attached to the base at the retaining rim after disengagement of the introducer cap from the base such that a foot disposed on the infusion cap extends radially inwardly farther than the outer radial periphery of the retaining rim, the infusion cap being adapted to rotate with respect to the base while engaged, the infusion cap comprising an infusion cannula extending downwardly from the lower side of the infusion cap, and an elongate flexible lumen in fluid communication with the infusion cannula, the infusion cannula being adapted to extend through the septum on the upper side of the base upon

engagement of the infusion cap and the base to place the flexible lumen and the infusion cap in fluid communication with the base cannula.

2. (Original) The infusion set of Claim 1, wherein the introducer cap includes at least one generally flat surface to facilitate grasping the cap.

3. (Original) The infusion set of Claim 2, wherein the introducer cap includes at least two generally flat surfaces to facilitate pinching the cap to change its shape to allow the cap to be removably engaged with the base.

4. (Original) The infusion set of Claim 3, wherein the base includes a funnel-shaped portion located between the port and the cannula.

5. (Original) The infusion set of Claim 4, wherein the funnel-shaped portion is located between the septum and the cannula.

6. (Previously Presented) The infusion set of Claim 1, wherein the introducer cap and the infusion cap both include a substantially cylindrical portion adapted to surround the port on the base when engaged therewith to help secure the caps to the base.

7. (Previously Presented) The infusion set of Claim 1, wherein the infusion cap has a low-profile substantially dome-shaped upper side.

8. (Previously Presented) An infusion set comprising:

a generally circular base having upper and lower sides, an outer edge, a base cannula extending downwardly from the lower side, a port extending upwardly from the upper side, and the port being in fluid communication with the base cannula, and the port comprising a septum at or near an upper side thereof, the septum of a different material from the port and adapted to seal the port from fluid communication therethrough;

a generally dome-shaped introducer cap adapted to cover substantially all of and to removably couple with the upper side of the base, the introducer cap comprising upper and lower sides, and a needle extending downwardly from the lower side, the needle being adapted to extend through the septum on the upper side of the base and through the base cannula on the lower side of the base, whereby the engaged base and introducer cap are adapted to be pressed against a patient's skin such that the introducer needle pierces the skin and the base is in close proximity to the skin; and

a low-profile, dome-shaped infusion cap comprising an upper side and a lower side, the infusion cap being adapted to generally cover and to removably engage with the upper side of the base after disengagement of the introducer cap from the base, the infusion cap being configured to freely rotate with respect to the base while engaged, the infusion cap comprising an infusion cannula extending downwardly from the lower side of the infusion cap, and an elongate flexible lumen in fluid communication with the infusion cannula, the infusion cannula being adapted to extend through the septum on the upper side of the base upon engagement of the infusion cap and the base to place the flexible lumen and the infusion cap in fluid communication with the base cannula.

9. (Original) The infusion set of Claim 8, wherein the introducer cap includes at least one generally flat surface to facilitate grasping the cap.

10. (Original) The infusion set of Claim 9, wherein the introducer cap includes at least two generally flat surfaces to facilitate pinching the cap to change its shape to allow the cap to be removably engaged with the base.

11. (Original) The infusion set of Claim 10, wherein the base includes a funnel-shaped portion located between the port and the cannula.

12. (Original) The infusion set of Claim 11, wherein the funnel-shaped portion is located between the septum and the cannula.

13. (Previously Presented) The infusion set of Claim 8, wherein the introducer cap and the infusion cap both include a substantially cylindrical portion adapted to surround the port on the base when engaged therewith to help secure the caps to the base.

14. (Previously Presented) The infusion set of Claim 1, wherein the septum comprises a slit.

15. (Previously Presented) The infusion set of Claim 1, wherein the adhesive layer extends beyond the outer edge of the base.

16. (Previously Presented) The infusion set of Claim 1, wherein substantially cylindrical portion of the infusion cap extends downwardly from the lower side beyond the infusion cannula.

17. (Previously Presented) The infusion set of Claim 8, wherein the septum comprises a slit.

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18. (Previously Presented) The infusion set of Claim 8, further comprising an adhesive layer mounted to the lower side of the base.

19. (Previously Presented) The infusion set of Claim 18, wherein the adhesive layer extends beyond the outer edge of the base.

20. (Previously Presented) The infusion set of Claim 8, wherein substantially cylindrical portion of the infusion cap extends downwardly from the lower side beyond the infusion cannula.

21. (Previously Presented) The infusion set of Claim 1, wherein the infusion cap covers substantially all of the upper surface of the base when coupled to the base.

22. (Previously Presented) The infusion set of Claim 8, wherein the infusion cap covers substantially all of the upper surface of the base when coupled to the base.